

Fused Xenoliths and Fluid Migration Through  
Crystalline Rock, by G. N. Kovalev.  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol 188, No 2,  
1969, pp 424-426.  
AGI

July 70

The Reasons for the Flattened Shape of  
Concretions, by P. V. Zaritskiy.  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol 188, No 2,  
1969, pp 427-430.  
AGI

July 70

Coexistence of Liquid Phases at High Temperatures,  
the System Apatite-Nepheline-Villiaumite, by  
L. V. Delitsyna.  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol 188, No 2,  
1969, pp 431-433.  
AGI

July 70

Vertical Zoning in Chemical Composition of  
Ground Water in Massifs of Eastern Mongolia  
and Southeastern Transbaikal, by B. N. Marinov.  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol 188, No 2,  
1969, pp 434-437.  
AGI

July 70

Migration of Gold During Metamorphism of Sulfide-  
Bearing Graphitoid-Kyanite Schist of the Keyv  
Series, Kola Peninsula, by V. M. Chayka.  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol 188, No 2,  
1969, pp 438-441.  
AGI

July 70

Main Patterns in the Behavior of Heavy Radioisotopes  
in Active Volcanism in the Hawaiian Islands, by  
V. V. Cherdyntsev.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol 188, No 2,  
1969, pp ~~442-445~~.  
AGI

July 70

A Discovery of Fossils in the Upper Suite of the  
Krivoy Rog Series in the Precambrian of the  
Ukraine, by A. G. Vologdin.  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol 188, No 2,  
1969, pp ~~446-449~~.  
AGI

July 70

Cambrian Cyanophyceans from Ulug Shangan Gorge,  
Tuva, by A. G. Vologdin.  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol 188, No 6,  
1969, pp 1376-1379.  
AGI

July 70



Termination of the Optic Fibers in the Pretectal  
Region of the Rat Brain, by I. V. Viktorov.  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol 188, No 2, *Biol. Sci.*  
1969, pp 451-453.  
CB

May 70

Karyologic Study of Variation in Genetic Structure  
of Ascites Lymphoid Leukemia NK/Ly Cell Populations  
Induced by Splenic Lymphocytes from Tumor-Bearing  
Mice, by N. V. Turbin, G. V. Kraskovskiy.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol 188, No 2, *Biol Sci*  
1969, pp 454-457.

CB

May 70

The Arginindesimidase System in Toxigenic and Weakly  
Toxigenic Strains of Clostridium Perfringens Type A,  
by V. A. Blagoveshchenskiy, M. S. Dolgikh.  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol 188, No 2, *Biol Sci*  
1969, pp 458-461.

CB

May 70

Production of a Polyploid Form of *Pseudomonas*  
*melochlore*, by A. A. Imshenetskiy,  
G. K. Zhil'tsova.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol 188, No 2, *Biol Sci*  
1969, pp 462-463.

CB

May 70

Binding of Viral Ribonucleoprotein with Ribosomes,  
by A. G. Bukrinskaya, V. M. Zhdanov,  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol 188, No 2, *Biol Sci*  
1969, pp 464-466.

CB

May 70

Effect of Ultraviolet Radiation with  $\lambda \sim 260$  and  
288 m $\mu$  on Cells of Different Levels of Organization  
by I. P. Arman, A. G. Antoshechkin,  
RUSSIAN, per, Dok. Ak. Nauk SSSR, Ser Physics,  
Vol 188, No 2, Sept 1969, pp 467-470  
Consultants Bureau

July 70

Peptidyl Derivatives of Ribosomal RNA from the  
Silk Gland of the Silkworm, by G. V. Terganova.  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol 188, No 2,  
1969, pp 474-476.  
CB

Jul 70

Change in the Number and Size of Synapses on Motoneurons of the Frog Spinal Cord with Prolonged Stimulation of Posterior Roots, by Yu. A. Darinskiy, T. Ye. Korneyeva.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol 188, No 2, *Biol. Sci.* 1969, pp 481-484.

CB

May 70



Investigation of Reactions of Neurons in the Vasculo-  
motor Center to Adequate Excitation of the Vestibular  
Apparatus in Cats, by S. N. Malikova.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol 188, No 2, *Biol Sci*  
1969, pp 485-488.

CB

May 70

Effect of Certain Stress Factors on the Digestive  
Functions of the Intestinal Epithelium, by

A. M. Ugolev, N. M. Timofeyeva.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol 188, No 2, *Biol Sci*  
1969, pp 489-492.

CB

May 70

Quantitative Characteristics of the Central  
Compensatory Process, by A. A. Shipov,

V. A. Galichiy.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol 188, No 2, *Biol Sci.*  
1969, pp 493-495.

CB

May 70

On the Expansion in Eigenfunctions Corresponding to a  
Part of the Set of Eigenvalues of a Nonselfadjoint  
Second-Order Differential Operator, by O. A. Akcrova.  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol 188, No 3,  
1969, pp 503-506,  
The Am Math Soc  
Vol 10, No 5, Sept-Oct 1969

Mar 70

403,993

On the Rate of Convergence of Differentiated  
Lagrange and Hermite Interpolation Polynomials, by  
N. S. Bayguzov,  
RUSSIAN, per, Dok Ak Nauk SSSSR, Vol 188, No 3,  
1969, pp 507-510,  
The Am Math Soc  
Vol 10, No 5, Sept-Oct 1969

Mar 70

403,994

Nonlinear Equations with Monotone Operators, by  
A. M. Vaynberg.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol 188, No 3,  
1969, pp 511-513.

The Am Math Soc  
Vol 10, No 5, Sept-Oct 1969

Mar 70

403,995

A Collection Process, by Ju. M. Gorcakov.  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol 188, No 3,  
1969, pp 514-516.  
The Am Math Soc  
Vol 10, No 5, Sept-Oct 1969

*JPRS 49457*

Mar 70

403,996

Average Values of Multiplicative Functions, by  
B. V. Levin.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol 188, No 3,  
1969, pp 517-519.

The Am Math Soc

Vol 10, No 5, Sept-Oct 1969

Mar 70

403,997



Representation of Solvable Groups by Matrices Over  
a Field of Characteristic Zero, by Ye. M. Levic.  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol 188, No 3,  
1969, pp 520-521.  
The Am Math Soc  
Vol 10, No 5, Sept-Oct 1969

Mar 70

403,998

On the Representation of Spaces of Regular  
Functionals and Some Applications, by  
G. Ja. Lozanovskiy,  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol 188, No 3,  
1969, pp 522-524.  
The Am Math Soc  
Vol 10, No 5, Sept-Oct 1969

Mar 70

403,999

Removable Singularities of Quasi-Conformal Mappings  
in Space, by V. M. Mikljukov.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol 188, No 3,  
1969, pp 525-527.

The Am Math Soc

Vol 10, No 5, Sept-Oct 1969

Mar 70

404,000

The Dirichlet Problem for Pseudodifferential Equations  
Depending on a Parameter, by L. D. Pokrovskiy.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol 188, No 3,  
1969, pp 528-531.

The Am Math Soc

Vol 10, No 5, Sept-Oct 1969

Mar 70

404,001

Pontrjagin's Maximum Principle in the Theory of  
Univalent Functions, by V. I. Popov.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol 188, No 3,  
1969, pp 532-534.

The Am Math Soc

Vol 10, No 5, Sept-Oct 1969

Mar 70

404,002

Singularities of the Averaging Principle for  
Evolution Equations, by V. V. Strygin.  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol 188, No 3,  
1969, pp 535-537.  
The Am Math Soc  
Vol 10, No 5, Sept-Oct 1969

Mar 70

404,003

Finite Control of Linear Distributed Systems,  
by A. G. Butkovskiy,  
RUSSIAN, per. Dok. Ak. Nauk SSSR, Vol 188, No 3,  
1969, pp 538-541.  
Am. Inst. of Phys.  
Vol 14, No 9, 1970  
JPRS 49457

Apr 70

406,683

The Onset of Turbulent Motion, by V. V. Alekseev,  
RUSSIAN, per. Dok. Ak. Nauk SSSR, Vol 188, No 3,  
1969, pp 542-544.

Am. Inst. of Phys.

Vol 14, No 9, 1970

Apr 70

406,684



The Asymptotic Behavior of the Wave Function for  
a Quasi-Stationary State, by A. A. Arsen'yev,  
RUSSIAN, per. Dok. Ak. Nauk SSSR, Vol 188, No 3,  
1969, pp 545-547.  
Am. Inst. of Phys.  
Vol 14, No 9, 1970

Apr 70

406,686

Anomalous Plasticity of the Surface Layers of  
Semiconducting Crystals, by V. P. Alekhin,  
RUSSIAN, per. Dok. Ak. Nauk SSSR, Vol 188, No 3,  
1969, pp 548-551.  
Am. Inst. of Phys.  
Vol 14, No 9, 1970

Apr 70

406,701

Electric Field at the Electrode Surface at the  
Cathode Spot of an Arc Discharge, by I. I. Beilis,  
RUSSIAN, per. Dok. Ak, Nauk SSSR, Vol 188, No 3,  
1969, pp 552-555.  
Am. Inst. of Phys.  
Vol 14, No 9, 1970

Apr 70

406,702

On Using the Phenomenon of the Amorphization of  
Crystals in Order to Explain the Mechanism of  
Cathodic Sputtering, by Kh. Zommerfel'dt,  
RUSSIAN, per. Dok. Ak. Nauk SSSR, Vol 188, No 3,  
1969, pp 556-559.  
Am. Inst. of Phys.  
Vol 14, No 9, 1970

Apr 70

406,703

Semiphenomenological Green's Function of the  
Optical Electron in a Complex Atom, by B. A. Zon,  
RUSSIAN, per. Dok. Ak. Nauk SSSR, Vol 188, No 3,  
1969, pp560-561.  
Am. Inst. of Phys.  
Vol 14, No 9, 1970

Apr 70

406,704

Observation of Acoustic Subharmonics, by G. D.  
Mikhailov,  
RUSSIAN, per. Dok. Ak. Nauk SSSR, Vol 188, No 3,  
1969, pp 562-563.  
Am. Inst. of Phys.  
Vol 14, No 9, 1970

Apr 70

406,705

Stability Constants of Dipivalymethanates of  
Rare Earth Elements, by A. S. Berlyand.  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol 189, No 3,  
Nov 1969, pp 563-565.  
CB

July 70

Measuring the Volume of Fluids in a Hydrostatic  
High Pressure Cell with an Internal Heater,  
by I. N. Makarenko,  
RUSSIAN, per. Dok. Ak. Nauk SSSR, Vol 188, No 3,  
1969, pp 564-566.  
Am. Inst. of Phys.  
Vol 14, No 9, 1970

Apr 70

406,711



Influence of the Solubility Effect in the  
Carrier Gas on the Adsorption Capacity, by  
E. V. Vagin.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol 189, No 3,  
Nov 1969, pp 566-567.

CB

July 70

The Kinetics of Disintegration Under Shock Heating,  
by V. M. Finkel',  
RUSSIAN, per. Dok. Ak. Nauk SSSR, Vol 188, No 3,  
1969, pp 567-570.  
Am. Inst. of Phys.  
Vol 14, No 9, 1970

Apr 70

406,712

Mechanism of Self-Closing of Cracks in  
Polymers, by Yu. M. Malinskii.  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol 189, No 3,  
Nov 1969, pp 568-570.  
CB

July 70

Investigation of the Block Nature of Copolymers  
by the Method of Anisotropic Light Scattering,  
by E. P. Piskareva,

RUSSIAN, per, Dok Ak Nauk SSSR, Vol 189, No 3,  
Nov 1969, pp 571-572.

CB

July 70

Effect of Hyperconjugation in Oxidation of  
Hydrocarbons with Conjugated Bonds, by  
V. A. Poluektov.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol 189, No 3,  
Nov 1969, pp 573-576.  
CB

July 70

Polar Tide in the Ocean, by E. I. Sarukhanyan.  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol 188, No 3,  
1969, pp 571-574.  
AGI

July 70

Electrical Fields in the Earth's Magnetosphere, by  
B. A. Tverskoy.  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol 188, No 3, 1969,  
pp 575-578.  
Dept of Navy APL/JHU T-2406

AGI

Sci/Ear Sci  
May 70

407,104

Investigation of Polymerization Kinetics of  
Styrene by Surface-Energy Measurements, by  
P. P. Pugachevich.  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol 189, No 3,  
Nov 1969, pp 577-579.  
CB

July 70



Polymerization in an Emulsion in the Presence  
of Colloidal Surface-Active Initiators, by  
A. I. Yurzhenko,  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol 189, No 3,  
Nov 1969, pp 580-583.  
CB

July 70

Secular Variations in Gravity on the Russian  
Platform, by A. Sh. Faytel'son.  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol 188, No 3,  
1969, pp 579-582.  
AGI

July 70

Ionic Conductivity of Microcrystals of Photographic  
Emulsions by a Luminescence Method, by V. M. Belous.  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol 188, No 3,  
Sept 1969, pp 612-615.  
CB

May 70

407,090

Inhibiting Capacity of the Copper BIS-(a-Thiopicolinanlides) in the Low-Temperature Oxidation of Ethylbenzene, by V. G. Vinogradova. RUSSIAN, per, Dok Ak Nauk SSSR, Vol 188, No 3, Sept 1969, pp 616-619.  
CB

407,091

May 70

Partial Molar Volumes of Gases in Non-Polar  
Solvents, by Y. V. Gurikov.  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol 188, No 3,  
Sept 1969, pp 620-623,  
CB

407,092

May 70

May 70

NMR Investigation of the Nature of the Active  
Center During the Polymerization of B-Propiolactone  
in the Presence of Triethylamine, by  
M. A. Markevich.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol 188, No 3,  
Sept 1969, pp 624-627.

CB

407,093

May 70

Complex Formation of Os (IV) in  
Extraction by Amines From Hydrochloric  
Acid Media, by K. A. Bol'shakov  
RUSSIAN, per, Dok Ak Nauk SSSR, Chem  
Tech., Vol 188, No 3, Sep 1969,  
pp 628-631.  
CB

Nov 70

Behavior of Decomposing Materials Under  
Nonisothermal Conditions, by

A. S. Borshchevskii

RUSSIAN, per, Dok Ak Nauk SSSR, Chem

Tech., Vol 188, No 3, Sep 1969,

pp 632-634.

CB

Nov 70



Volcanic Sedimentary Horizons of the Redkino  
Suite, Valday Series, by Ye. M. Aksenov.  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol 188, No 3,  
1969, pp 635-638.  
AGI

July 70

A Description of the Sandy Beach Facies, by  
N. V. Logvinenko.  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol 188, No 3,  
1969, pp 673-676.  
AGI

July 70

New Data on the System of Western Boundary  
Currents in the Tropical Atlantic, by V. G. Kort.  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol 188, No 3,  
1969, pp 677-680.  
AGI

July 70

Effect of Neotectonics on the Secondary Zoning  
of Gold Deposits, by M. N. Al'kov.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol 188, No 3,  
1969, pp 639-640.

AGI

July 70

The Structural Occurrence of Some Outcrops of  
Lower and Middle Paleozoic Reef Limestone in  
the Southern Urals, by M. M. Khamaletdinov.  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol 188, No 3,  
1969, pp 641-644.  
AGI

July 70

Nature of Carbonatite at the East Flank of the  
Anabar Arch, by V. K. Marshintsev.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol 188, No 3,  
1969, pp 645-648.

AGI

July 70

Age of the Beke Suite in the Chu-Ili Mountains,  
by N. F. Mikhaylova.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol 188, No 3,  
1969, pp 649-650.

AGI

July 70

Principal Morphologic and Genetic Types of  
Fossil Reefs in the Southeastern Russian Plat-  
form (From Deep Drilling and Geophysical Data),  
by F. I. Khat'yanov.  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol 188, No 3,  
1969, pp 651-654.  
AGI

July 70



Omphacite from Metasomatites of the Front  
Range of the Caucasus, by G. D. Afanas'yev.  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol 188, No 3,  
1969, pp 655-658.  
AGI

July 70

Crystal Structure of Lithium-Bearing Beryl, by  
V. V. Bakakin.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol 188, No 3,  
1969, pp 659-662.

AGI

July 70

Zoning and Cobalt Content of Pyrite Crystals,  
by T. A. Velikoborets.  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol 188, No 3,  
1969, pp 663-665.  
AGI

July 70

The Reason for the Widespread Occurrence of  
Octahedral Packing of Mono- and Divalent  
Elements in Compounds Containing Elements of  
the Sixth and Seventh Groups, by V. I. Lebedev.  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol 188, No 3,  
1969, pp 666-669.  
AGI

July 70

A Find of Garronite in the USSR, by  
G. D. Feoktistov.  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol 188, No 3,  
1969, pp 670-672.  
AGI

July 70

New Data on Water Circulation in the Southeastern  
Atlantic, by K. V. Moroshkin.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol 188, No 3,  
1969, pp 681-684.

AGI

July 70

Long-Lived Potential Changes of Chromosomes in  
Metabilizing Cells of Rat Liver, by M. V. Movsesyan,  
A. P. Akif'yev.  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol 188, No 3, *Biol Sci.*  
1969, pp 685-687.  
CB

May 70

Testing the Mutagenic Activity of the Polyoma Virus  
and the Modification Mechanism in Oncogenesis, by  
I. A. Rapoport, V. A. Parnes.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol 188, No 3, *Biol. Sci.*,  
1969, pp 688-691.

CB

May 70



Cytological Effect of Laser Irradiation in Seedlings  
of *Allium fistosum* L., by V. V. Rodionova,

V. A. Tarasov.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol 188, No 3, *Biol Sci*  
1969, pp 692-693.

CB

May 70

The Correlation Between Biomass of a Species and  
Maximum Population Number in a Phytoplankton  
Community, by V. D. Fedorov.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol 188, No 3, *Biol. Sci.*  
1969, pp 694-697.

CB

May 70

A New Manganese-Oxidizing Soil Microorganism, by  
Ten Hak-Mun.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol 188, No 3, *Biol Sci*  
1969, pp 697-699.

CB

May 70

Effect of Radiation on Permeability of Thymocyte  
Nuclear Membranes, M. A. Tarshis, A. M. Kuzin,  
RUSSIAN, per, Dok. Ak. Nauk SSSR, Ser Physics,  
Vol 188, No 3, Sept. 1969 pp 700-703  
Consultants Bureau

August 70

Application of Edman's Method to the Identification  
of the Sites of Incorporation of Labeled Amino  
Acids into Insulin in the System Protein, by

A. S. Konikova.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol 188, No 3,  
1969, pp 704-706.

CB

Jul 70

Strucutre of the Cell Wall Teichoic Acid of  
Actinomyces Violaceis, by I. B. Naumova.  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol 188, No 3,  
1969, pp 710-712.  
CB

Jul 70

Nature of Inhibition by Olitoriside of the Transport Adenosinetriphosphatase of Erythrocte Membranes, by Ya. Kh. Turakulov.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol 188, No 3, 1969, pp 713-714.

CB

Jul 70

History of Development of Lemmings in the Quaternary  
Period of Eurasia, by V. S. Zazhigin.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol 188, No 3, *Biol Sci*  
1969, pp 722-725.

CB

May 70



Radioautographic Investigation of Nucleic Acids in  
Lymphoid Tissue in Chronic Lymphocytic Leukemia,  
by I. N. Kogarko, L. S. Yevseyenko.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol 188, No 3, *Biol Sci*  
1969, pp 726-728.

CB

May 70

Properties of Malate and Glutamate Dehydrogenases  
of Tobacco Plant Tissue Cltures, by V. I. Kretoovich.  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol 188, No 4,  
1969, pp 707-709.  
CB

Jul 70

On the Distribution of Extreme Terms of Order  
Statistics, by Ju. N. Blagovescenskiy.  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol 188, No 4,  
1969, pp 735-738.  
The Am Math Soc  
Vol 10, No 5, Sept-Oct 1969

Mar 70

404,004

The Central Limit Theorem for Stationary Processes,  
by M. I. Gordin.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol 188, No 4,  
1969, pp 739-741.

The Amer Math Soc

Vol 10, No 5, Sept-Oct 1969

\* Dept of Navy AP4/IH4

Mar 70

404,005

On the Purity of the Set of Singular Points of a  
Morphism of Schemes, by I. V. Dolgacev.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol 188, No 4,  
1969, pp 742-744.

The Am Math Soc

Vol 10, No 5, Sept-Oct 1969

Mar 70

404,006

Mixed Control in a Differential Game, by  
N. N. Krasovskiy.  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol 188, No 4,  
1969, pp 745-748.  
The Am Math Soc  
Vol 10, No 5, Sept-Oct 1969

*JPRS 49455*

Mar 70

404,007

Cauchy Problem for Laplace's Equation in the Complex Domain, by A. L. Krylov.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol 188, No 4, 1969, pp 748-751.

The Am Math Soc

Vol 10, No 5, Sept-Oct 1969

Mar 70

404,008

Choice of a Parameter in Minimization Problem,  
by M. D. Mayergoyz.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol 188, No 4,  
1969, pp 752-755.

The Am Math Soc

Vol 10, No 5, Sept-Oct 1969

Mar 70

404,009



A Representation of the Laplace Transformation of the  
Function  $\text{Exp}(-t^2) \text{ERF}(at)$ , by S. I. Osipov.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol 188, No 4,  
1969, pp 756-757.

The Am Math Soc

Vol 10, No 5, Sept-Oct 1969

Mar 70

404,010

On Principal Bundles Whose Bases Satisfy the Second  
Axiom of Countability, by B. I. Rozenfel'd.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol 188, No 4,  
1969, pp 758-761.

The Am Math Soc

Vol 10, No 5, SUpt-Oct 1969

Mar 70

404,011

Finite Control of Discrete Linear Systems, by  
A. G. Butkovskiy.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol 188, No 4, *Physica*  
1969, pp 762-765.

American Institute of Physics  
Vol 14, No 10, 1970

*APRS 49455*

May 70

Differential Games with Information Delay, by

F. L. Chernous'ko.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol 188, No 4, *Physics*  
1969, pp 766-769.

American Institute of Physics

Vol 14, No 10, 1970

*ARS 49455*

May 70

A New Case of Integrable Equations of Motion of  
a Rigid Body with One Fixed Point, by

Ye. I. Kharlamova, P. V. Kharlamov.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol 188, No 4, *Physics*  
1969, pp 770-771.

American Institute of Physics

Vol 14, No 10, 1970

May 70

Determination of a Law of Turbulent Viscosity in a  
Flow Core on the Basis of a Principle of Maximum  
Stability, by M. A. Gol'dshtik, V. N. Shtern.  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol 188, No 4, *Physics*  
1969, pp 772-775.  
American Institute of Physics  
Vol 14, No 10, 1970

May 70

Equations Arising in the Summation of Perturbation-  
Theory Series for the Scattering Matrix, by

S. S. Ivanov, D. Ya. Petrina.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol 188, No 4, *Physica*  
1969, pp 776-779.

American Institute of Physics

Vol 14, No 10, 1970

May 70

Equation of Transport of a Passive Impurity by  
Filtration Movement, by A. B. Kazanskiy,  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol 188, No 4, *Physics*  
1969, pp 780-783.  
American Institute of Physics  
Vol 14, No 10, 1970

May 70



The Gibbs Ensemble and Chains of Equations for the  
Correlation Functions of Weakly Relativistic Sys-  
tems, by I. P. Pavlotskiy.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol 188, No 4, *Physica*  
1969, pp 784-787.

American Institute of Physics  
Vol 14, No 10, 1970

May 70

The Impossibility of Crystal Ordering in One-Dimensional Quantum Systems, by B. I. Sadovnikov, Ye. M. Sorokina.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol 188, No 4, 1969, pp 788-791.

American Institute of Physics

Vol 14, No 10, 1970

*Physics*

May 70

Self-Focusing High-Intensity Light Beams, by  
A. L. Dyshko, V. N. Lugovoy.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol 188, No 4, *Physics*  
1969, pp 792-794.

American Institute of Physics

Vol 14, No 10, 1970

*Dept of Navy APL/THU T-2410*

May 70

The Nature of Pearl Lightning, by V. F. Minin,  
F. Kh. Baibulatov.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol 188, No 4, *Physics*  
1969, pp 795-798.

American Institute of Physics

Vol 14, No 10, 1970

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